Section U
FACILITY/ EQUIPMENT/SPACE REQUIREMENTS FOR CTE PROGRAMS

Facility Requirements

Appropriate facilities, equipment resources, and instructional materials are essential to the learning environment where students develop skills for employment. Equipment, methods, materials, and facilities should be compatible with those used in the workplace and should be structured to accommodate the individual needs of students. Textbooks and software should be up to date and materials should be similar to those used in business and industry.

Adequate facilities and equipment should be provided to assist in achieving the program goals and course objectives. Some general guidelines relating to facilities and equipment are:

1. Readily accessible to all students to be served
2. Adequate to meet the needs of the course of study and maximum class enrollment
3. Designed or modified to accommodate students with physical disabilities or other educational needs
4. Conducive to good learning activities and conform with all safety and environmental standards
5. Up-to-date and meet industry quality and standards

Adequate facilities should be provided for tool and equipment storage, materials and supplies, student work storage, instructional personnel needs and adult education classes if facilities are shared. Facilities and equipment should meet all current local, state and federal health and safety regulations.

Provision for equipment and work space should create, as much as possible, the atmosphere of the industry for which the training will be conducted. Specific equipment lists can be found in the individual program cluster guides.

Equipment Requirements

Equipment requirements for individual CTE programs vary according to the delivery method chosen. The choice of equipment for a program should be made with the input of the Program Advisory Committee and input from the State Consultant for the occupational program.

Space Requirements

Student space standards have been established to provide a quality-learning environment and promote the safety of both students and instructors and provide sufficient space for disabled students to have access to facilities. Programs require equipment and work stations that simulate business and industry practices. Accordingly, safety zones, proper storage and teaching areas require more space than academic classrooms and frequently that of industry itself. Recommended space allocations follow.

SPACE ALLOCATION GUIDELINES

Arts and Communications Pathway

CIP Code	Previous CIP Code	Program Name	Per-Pupil Square Foot/Range Minimum	Optimum
10.0202	09.0701(01)	Radio and Television Broadcasting Technologies	80	100
10.0301	48.0201	Graphic Communications	80	100
50.0101	09.0701(02)	Visual and Performing Arts	150	180
50.0401	48.0299	Visual Communications Technology	80	100

Business, Management, Marketing, and Technology

CIP Code	Previous CIP Code	Program Name	Per-Pupil Square Foot/Range Minimum	Optimum
11.1000	52.9991	Information Technology	50	70
52.1999	52.9992	Marketing Sales and Services	80	100
52.0800	52.9993	Finance and Financial Management Services	50	70
52.0299	52.9994	Business Administration Management and Operations	50	70
12.9999	20.0499	Personal and Culinary Services	80	100

Engineering/Manufacturing and Industrial Technology

CIP Code	Previous CIP Code	Program Name	Per-Pupil Square Foot/Range Minimum	Optimum
15.0607	15.0607	Plastics Engineering Technology/Technician	130	150
15.0612	15.0699	Industrial Production Technology/Technician	80	100
19.0605	20.0501	Home Furnishings Equipment Installers and Consultants	80	100
19.0699	20.0601	Custodial, Housekeeping and Home Services	80	100
46.0301	46.0301	Electrical and Power Transmission Installation	50	65
46.0000	46.9900(01)	Construction Trades	130	150
46.0401	46.9900(02)	Building Mantenance	150	180
46.0101	47.0101	Electrical/Electronics Equipment Installation and Repair	50	65
47.0106	47.0106	Appliance Installation and Repair Technology	130	150
15.0403	47.0199	Electro-Mechanical Technology	130	150
47.0201	47.0201	Heating, Air Conditioning, Ventilation and Refrigeration	80	100
47.0399	47.0399	Industrial Equipment Maintenance and Repair	180	200
47.0603	47.0603	Collision Repair Technician (NATEF Certified)	180	200
47.0604	47.0604	Automobile Technician (NATEF Certified)	180	200

47.0613	47.0605	Medium/Heavy Truck Technician(NATEF Certified)	200	220
47.0606	47.0606	Small Engine and Related Equipment Repair	50	65
15.1301	48.0199(01)	Drafting Technology	50	65
	(02)	CAD Drafting	80	100
48.0501	48.0503	Machine Tool Operation/Machine Shop	130	150
48.0508	48.0508	Welding, Brazing, and Soldering	130	150
48.0701	48.0701	Woodworking General	130	150
48.0000	48.9999	Precision Production Trades General	130	180
49.0101	49.0101(01)	Aeronautics Aviation, Aerospace Science and Technology	180	200
47.0608	49.0101(02)	Power Plant Technology (Aircraft)	180	200
47.0616	49.0306	Marine Maintenance	80	100
47.0607	(New)	Airframe Technology	180	200

Health Sciences

CIP Code	Previous CIP Code	Program Name	Per-Pupil Square Foot/Range Minimum	Optimum
51.0000	51.9999	Health Sciences	80	100

Human Services

CIP Code	Previous CIP Code	Program Name	Per-Pupil Square Foot/Range Minimum	Optimum
12.0400	12.0403	Cosmetology	80	100
13.0000	20.0299(02)	Education General	80	100
43.0100	43.9999	Public Safety/Protective Services	50	65
19.0700	20.0299(01)	Child and Custodial Care Services	80	100

Natural Resources and Agriscience

CIP Code	Previous CIP Code	Program Name	Per-Pupil Square Foot/Range Minimum	Optimum
02.0205	01.0201	Agricultural Mechanics and Equipment/Machinery Technology	180	200
01.0000	02.9999(02-06)	Agriculture, Agricultural Operations and Related Sciences	80	100
03.0000	02.9999(01)	Natural Resources and Conservation	80	100

Family and Consumer Sciences

CIP Code	Previous CIP Code	Program Name	Per-Pupil Square Foot/Range Minimum	Optimum
19.0000	19.0101	Family & Consumer Sciences/Parenthood + "3"	80	100